

# MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

WATER RESOURCES DIVISION - STATE WATER PROJECTS BUREAU

**January 31, 2009**

All Contents in Acre-Feet

RESERVOIR	CAPACITY*	CONTENTS				% CAPACITY 1/31/2009	%AVERAGE 1/31/2009	Reading Date	COMMENTS
		AVERAGE 1960 - 2008	Last Year 1/31/2008	Last Month 12/31/2008	PRESENT 1/31/2009				
	Full Pool								
	Contents								
ACKLEY	6,140	3,179	2,172	<b>1,469</b>	<b>1,511</b>	25	48	2/2/09	from M. Norberg (sd=284.8' to ice) el.=4290.74
BAIR	7,300	3,538	1,600	<b>2,132</b>	<b>2,318</b>	32	66	2/2/09	from M. Norberg (sd=303' to ice) el.=5298.05
CATARACT	1,478	411	363	<b>340</b>	<b>330</b>	22	80	2/4/09	volume interpolated (sd=122.9' to ice)
COONEY	28,230	18,000	16,882	<b>17,260</b>	<b>18,778</b>	67	104	2/3/09	from J. Ward el.=4239.12 (18,688 AF)
COTTONWOOD	1,900	432	190	<b>1,020</b>	<b>1,056</b>	56	244	2/3/09	from M. Norberg (sd=39.3, to ice)
DEADMAN'S BASIN	75,968	40,851	23,060	<b>38,241</b>	<b>42,413</b>	56	104	2/2/09	from M. Norberg (sd=325.5, to ice)
E.F. ROCK CREEK	16,040	7,919	9,584	<b>10,975</b>	<b>11,140</b>	69	141	2/5/09	from data logger el.=6042
FRENCHMAN	2,777	1,415	1,415	<b>1,556</b>	<b>1,556</b>	56	110	2/5/09	volume estimated
MARTINSDALE	23,348	8,005	0	<b>7,141</b>	<b>6,577</b>	28	82	2/2/09	from M. Norberg (sd=266.7, to ice) el.=4755.9
MIDDLE CREEK	10,184	5,861	6,359	<b>6,496</b>	<b>6,469</b>	64	110	1/31/09	volume estimated el.=6703.53
NEVADA CREEK	11,207	4,710	4,595	<b>7,333</b>	<b>8,022</b>	72	170	1/30/09	from J. Beck (sd=95.0') el.=4606.72
NILAN	10,992	5,683	5,687	<b>7,450</b>	<b>8,626</b>	78	152	1/30/09	from J. Beck (7726 AF) el.=4437.71
N.FK. SMITH RIVER	11,406	5,758	4,765	<b>6,500</b>	<b>7,057</b>	62	123	2/3/09	from M. Norberg (sd=147.4' to ice) el.=5473.38
RUBY RIVER	36,633	23,967	22,634	<b>19,500</b>	<b>24,830</b>	68	104	2/4/09	from M. Norberg (sd=141' to ice) el.=5378.7
TONGUE RIVER	79,071	38,849	51,244	<b>48,900</b>	<b>57,587</b>	73	148	2/5/09	from data logger el.=3422
W.F. BITTERROOT	32,362	4,837	9,139	<b>9,400</b>	<b>9,109</b>	28	188	2/3/09	from A. Pernichele el.=4674.0
WILLOW CREEK	18,000	11,745	11,715	<b>9,200</b>	<b>13,858</b>	77	118	2/4/09	from M. Norberg (sd=99' to ice) el.=4730.75
YELLOWATER	3,842	874	600	<b>1,450</b>	<b>1,450</b>	38	166	2/5/09	volume estimated

\* Note: Reservoir contents include dead storage at the following:

Ackley	325 AF	**	** O&M slope storage table does not include dead storage (so dead storage has to be added into the storage from the table)
Cooney	90 AF	**	Tongue River 711 AF (O&M storage table includes dead storage)
Deadman's	3750 AF	**	W. F. Bitterroot 656 AF (O&M storage table includes dead storage)
Nilan	900 AF	**	Willow Creek 269 AF (O&M storage table includes dead storage)

\* Note: Cooney capacity reflects capacity after 1982 dam rehabilitation; prior capacity was 24,195 A.F.. Average storage shown is for post rehabilitation data.

\* Note: Middle Creek capacity reflects capacity after 1993 dam rehabilitation; prior capacity was 8,027 A.F.. Average storage shown is for post rehabilitation data.

\* Note: Nevada Creek Reservoir Capacity reflects live storage capacity survey conducted in year 2000. Prior live storage capacity documented as 12,723 AF.

\* Note: Ruby River capacity reflects capacity at concrete crest elevation; capacity at top of flashboards is 37,612 A.F.

\* Note: Tongue River capacity reflects capacity after 1999 dam rehabilitation; prior capacity was 68,040 A.F.. Average storage is post rehabilitation data.

\* Note: Frenchman Reservoir capacity tables updated based on aerial survey; prior capacity was 3752 A.F. Average shown is pre aerial survey